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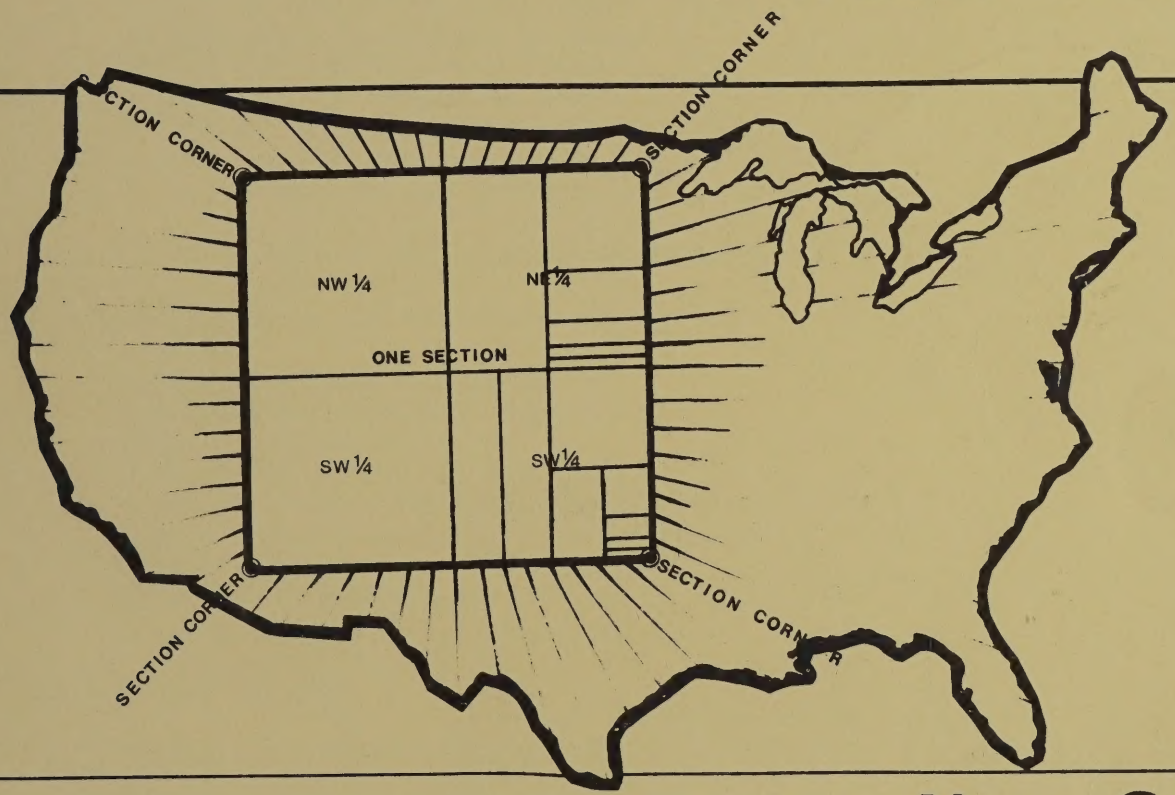
Geo-Ref Geo-State

TABLES UPDATE



Users Guide

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FEBRUARY 1984

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TABLE OF CONTENTS

SECTION	PAGE
INTRODUCTION	1
UPDATE STEPS	6
I. GEO-REFERENCE TABLE I	
Actions - Record Types	9
Record 01 Change Section 1-36	11
Record 02 Change Section Greater 36	12
Record 03 Add-Delete MTR Section 1-36	13
Record 04 Add-MTR Section Greater 36	14
Record Types 1-4 Encode to Form	15
Record 05 Mass District Change	18
Record Type 05 Encode to Form	20
Record 06 Mass County Change	21
Record Type 06 Encode to Form	22
Error Message Geo-Ref Table I	23
II. GEO-STATE DATA ELEMENT DICTIONARY UPDATE TABLE II	
Geo-State Table II Encode Procedures	
Update Geo-State PLS States	25
Geo-State PLS Encode to Form	27
Mass Change Geo-State PLS	30
Mass Change Encode to Form	32
Update Geo-State PLS Agency Administrative Area	34
Agency Administrative Area Encode to Form	35
Update Geo-State (Non PLS) States	37
(Non PLS) States Encode to Form	38
Error Message Geo-State Table II	39
III. OUTPUT REPORTS	
Terminal Log On/Off Procedures	41
Geo-Ref Table I Listing	42
Data Element Dictionary (Geo-State Listing)	43

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FIGURE	TITLE	PAGE
1	Geo-Ref Table I Listing	4
2	Geo-State Table II Listing	5
3	Record 01 Encode Example	11
4	Record 02 Encode Example	12
5	Record 03 Encode Example	13
6	Record 04 Encode Example	14
7	Record 05 Encode Example	19
8	Record 06 Encode Example.	21
9	Geo-Ref Error Listing	23
10	Geo-State PLS States Encode Example	26
11	Geo-State Mass Change Encode Example	31
12	Geo-State Agency Administration Encode Example	34
13	Geo-State (Non PLS) States Encode Example	37
14	Geo-State Error Listing	39

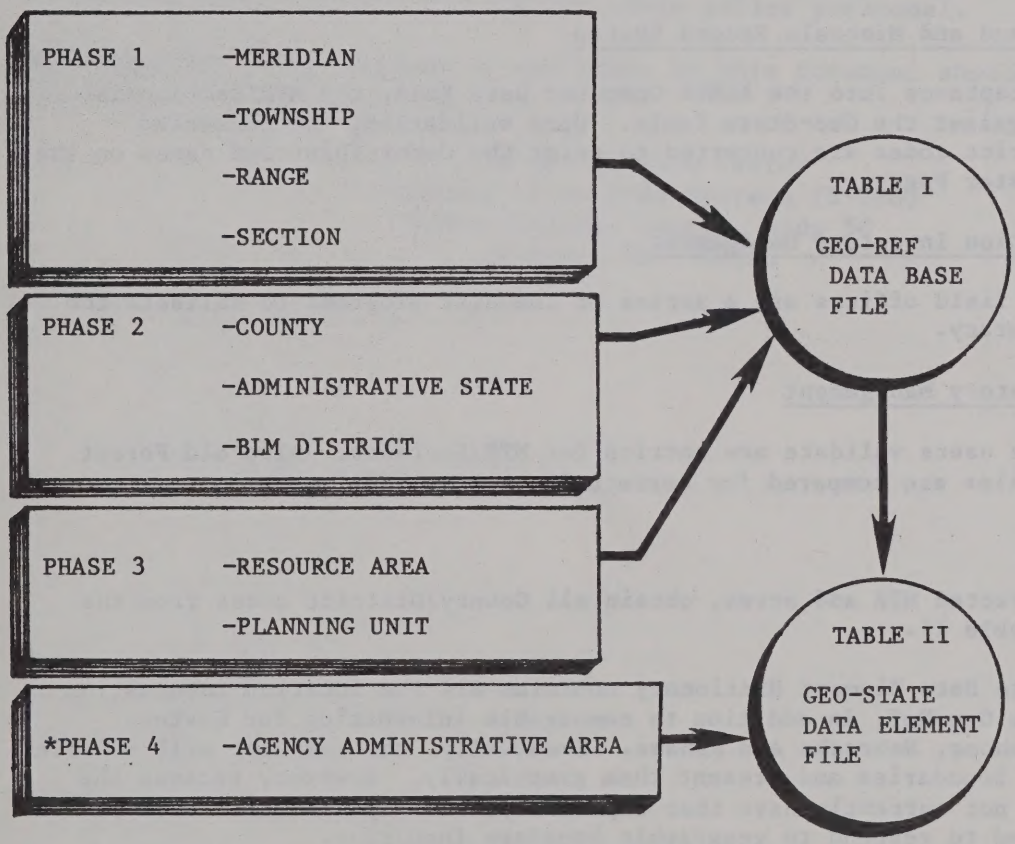
GLOSSARY 45

APPENDIX	TITLE	PAGE
1	Public Land Survey States/Data Element Numbers	47
2	Non Public Land Survey States/Data Element Numbers	48
3	List of Specific Data Element Numbers	49

INTRODUCTION

The Geographic-Reference Tables (Geo-Ref) and Geo-State are 2 Data Base files which define the location relationships between geographic area (Meridian, Township, Range and Section), and the political or administrative areas (State, County, Adm. State, BLM District, Resource Area, Planning Unit). By entering Meridian, Township, Range and Section, the user will be able to access all the corresponding political and/or administrative location information.

Initially, the Geo-Ref was developed for use with the Mining Claim Recordation System. Data was identified and input to the Data Base for the ten Western Administrative States in four phases.



Several users, including Soil-Vegetation Inventory Method (SVIM), Land Survey, Automated Land and Mineral Record System (ALMRS), and Forest Inventory Management Programs began using the table to validate and retrieve information. As Mining Claims grew to the limit of their file space, the system had to be upgraded and expanded. During this restructure period, the other users had no access to the Geo-Ref file and the information on the Geo-Ref Table was added to the Geo-State Data Element Dictionary.

*DSC(D-150) is presently coordinating the encoding of Agency Administrative Area to the Data Element Dictionary.

It is important that the accuracy and credibility of the tables be maintained. When a state's organizational changes adjust county/district codes and/or boundaries, the tables should be updated as soon as possible.

The Users depend upon the accuracy of the tables for the following:

Mining Claim Recordation

The MTR/Section is validated against the Geo-Ref Table. Upon this validation, the County/District codes are connected to the MTR/Section. Because of this connection, BLM can produce reports on Mining Claims located in a specific County/District.

Automated Land and Minerals Record System

Prior to acceptance into the ALMRS Computer Data Base, the MTR/Section is validated against the Geo-State Table. Upon validation, the connected County/District codes are converted to print the County/District names on the Serial Register Page.

Soil Vegetation Inventory Management

DSC and the field offices use a series of computer programs to validate the MTR for accuracy.

Forest Inventory Management

Field office users validate new entries for MTR/Sections. Also old Forest Inventory files are compared for correct County/District codes.

Land Survey

For an abstracted MTR and acres, obtain all County/District codes from the Geo-State Table II.

The Geo-State Data Element Dictionary contains all the location information found on the Geo-Ref, in addition to comparable information for Eastern States, Oklahoma, Nebraska and Kansas. Eventually, the computer will be able to digitize boundaries and present them graphically. However, because the system does not currently have that capability, the Alpha-Numeric/Data Element is maintained to respond to geographic boundary inquiries.

This Users Guide will familiarize you with procedures for updating the current Geo-Ref Table and the corresponding Geo-State Data Element Dictionary.

The Updates may be prompted by:

- ERROR NOTED IN THE EXISTING TABLE
- NEW TOWNSHIP AND RANGE ADDED TO PARTIALLY CODED STATES
- SECTIONS ADDED TO THE EXISTING MTR (MERIDIAN, TOWNSHIP, RANGE)
- ORGANIZATIONAL CHANGES AFFECTING BLM DISTRICT, RESOURCE AREA, AND
- PLANNING UNIT BOUNDARIES
- STATE ESTABLISHES A NEW COUNTY

All changes or additions to Geographic-Political Units (DE 0002), and/or BLM Administrative Units (DE 0003), must be submitted to DSC for Data Element Dictionary update by the responsible state office personnel.

Any suggestions for changes or additions to this document should be submitted in writing to:

Denver Service Center
Division of Records Systems (D-240)
Denver Federal Center, Bldg 50
Denver, CO 80225

GEO-REF TABLE I LISTING

Figure 1

LAND RECORDS SUB-SYSTEM — PAGE 26

GEOGR-ST: NEVADA — DATE: 11-03-83

GEOGRAPHIC RELATIONS TABLE

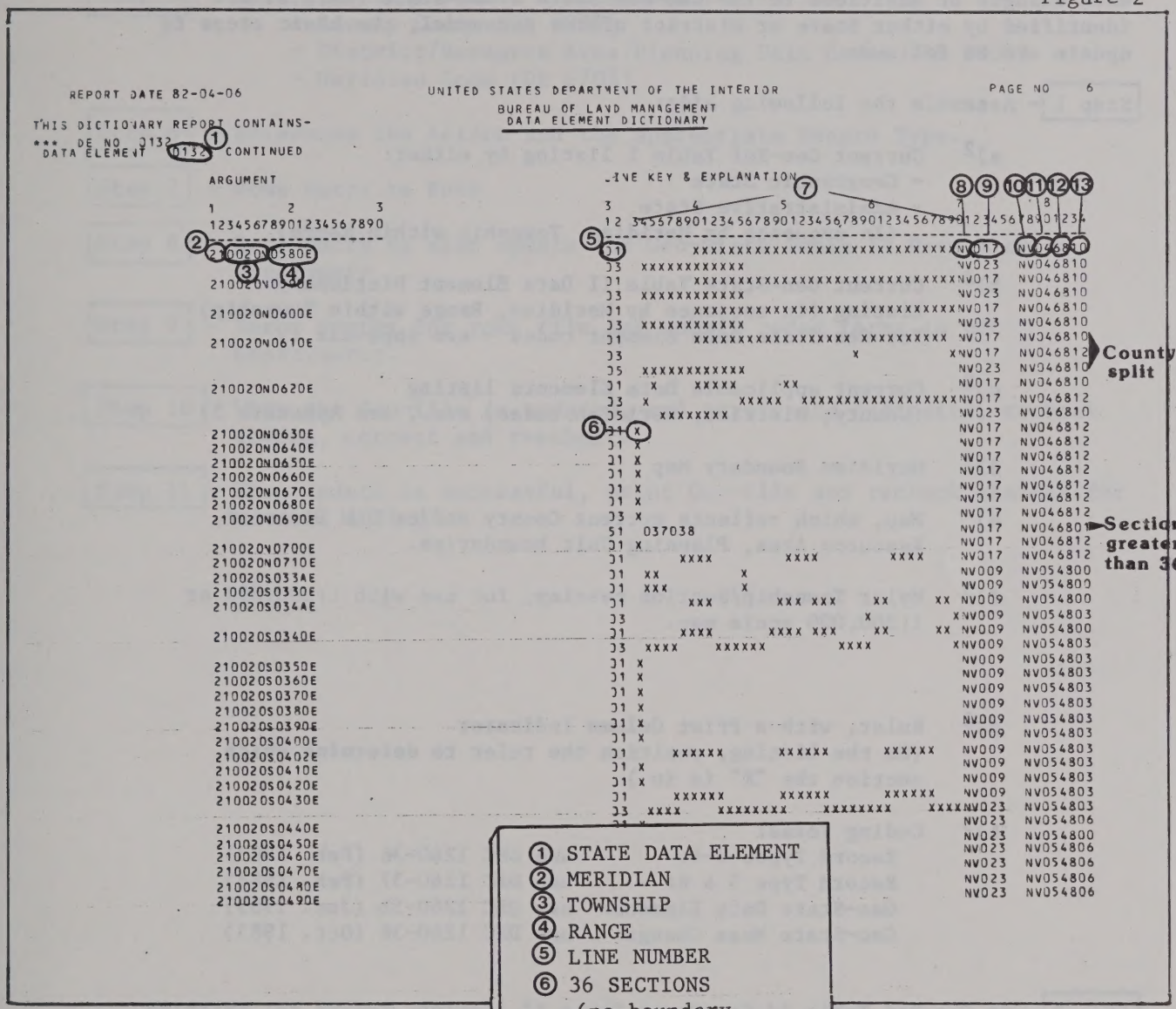
LISTING OF TOWNSHIPS AND SECTIONS BY STATE AND MERIDIAN

MERIDIAN CODE	NAME	TOWNSHIP		RANGE		A L	SECTIONS 000000(00 1234567890123456789012345678901234567890123456	GEO ST	CNTY	ADM ST	DIST	RA	PLU	
21	MOUNT DIABLO	26	N	33	E	X		NV	027	NV	02	68	05	
		27	N	33	E	X		NV	027	NV	02	68	05	
		28	N	33	E	X		NV	027	NV	02	68	05	
		29	N	33	E	X		NV	027	NV	02	68	05	
		30	N	33	E		XXXXXX XXXXXXXXXX XXXXXXXXXXXXXXXXXX	NV	027	NV	02	48	01	District split
		30	N	33	E		X X	NV	027	NV	02	68	04	District split
		31	N	33	E		XXXXX XXXXXXXXX XXXXXXXXXXXXXXXX	NV	027	NV	02	48	01	
		31	N	33	E		037038(39	NV	027	NV	02	48	01	
		31	N	33	E		XX XX	NV	027	NV	02	68	04	
		31.2	N	33	E		X	NV	027	NV	02	68	05	
		32	N	33	E	X		NV	027	NV	02	68	05	
		33	N	33	E		XXXX XXXXXXXX	NV	027	NV	02	48	01	
		33	N	33	E		XXXX XX	NV	027	NV	02	68	04	
		33	N	33	E		XXXXXXXXXXXXXXXXX	NV	027	NV	02	68	05	
		34	N	33	E	X		NV	027	NV	02	48	02	
		35	N	33	E	X		NV	013	NV	02	48	02	
		36	N	33	E	X		NV	013	NV	02	48	02	
		37	N	33	E	X		NV	013	NV	02	48	02	
		38	N	33	E	X		NV	013	NV	02	48	02	
		39	N	33	E	X		NV	013	NV	02	48	02	
		40	N	33	E	X		NV	013	NV	02	48	02	
		41	N	33	E	X		NV	013	NV	02	48	02	
		42	N	33	E	X		NV	013	NV	02	48	02	
		43	N	33	E	X		NV	013	NV	02	48	02	
		44	N	33	E	X		NV	013	NV	02	48	02	
		45	N	33	E	X		NV	013	NV	02	48	02	
		46	N	33	E	X		NV	013	NV	02	48	02	
		47	N	33	E		XXX	NV	013	NV	02	48	01	
		47	N	33	E		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	NV	013	NV	02	48	02	
		16	N	33.2	E		XX XX X	NV	001	NV	03	48	00	
		16	N	33.2	E	X		NV	001	NV	03	48	01	
		17	N	33.2	E	X	XX XX X	NV	001	NV	03	48	00	
		18	N	33.2	E	X	XX XX X	NV	001	NV	03	48	01	
		19	N	33.2	E	X	XX XX X	NV	001	NV	03	48	01	
		20	N	33.2	E	X	XX XX X	NV	001	NV	03	48	01	
		31	N	33.2	E	X		NV	001	NV	02	68	05	
		1	N	34	E	X		NV	003	NV	05	48	03	
		2	N	34	E		X X X X	NV	009	NV	03	58	04	County split
		2	N	34	E		XX XXXXX XXXXXXXXXX XXXXXX	NV	009	NV	05	48	03	County split
		2	N	34	E		XXXXXXXX XXXX X	NV	021	NV	03	58	04	County split
		2	N	34	E		X X XX X X	NV	021	NV	05	48	03	County split
		3	N	34	E		X	NV	009	NV	03	58	04	

000000(00 1111111111 1222222222 2333333333
1234567890 1234567890 1234567890 1234567890 123456
SECTIONS

GEO-STATE TABLE II LISTING

Figure 2



UPDATE STEPS

When changes or additions to the Geo-Ref Table I/Geo-State Table II are identified by either State or District office personnel, the basic steps to update are as follows:

Step 1 - Assemble the following aids:

a)[2] Current Geo-Ref Table I listing by either:
- Geographic State
- Administrative State
  (In sequence by Meridian, Township within Range)

b)[2] Current Geo-State Table II Data Element Dictionary Listing (In sequence by Meridian, Range within Township) For Geo-State Data Element codes - see Appendix 1.

c)[2] Current applicable Data Elements listing (County, District, Meridian codes, etc., see Appendix 3)

d)[3] Meridian Boundary Map

e) Map, which reflects current County and/or BLM District, Resource Area, Planning Unit boundaries.

f)[3] Mylar Township/Section overlay, for use with 1:100,000 or 1:500,000 scale map.

g)[3] Ruler, with a Print Column Indicator
(On the Listing, position the ruler to determine which section the "X" is in.)

h)[3] Coding Forms:

Record Types 1-4:	use DSC 1260-36 (Feb. 1983)
Record Type 5 & 6:	use DSC 1260-37 (Feb. 1983)
Geo-State Data Element:	use DSC 1260-5b (Jan. 1983)
Geo-State Mass Change:	use DSC 1260-38 (Oct. 1983)

Step 2 - On Geo-Ref Table I/ Geo-State Table II listing, locate the existing MTR.

Step 3 - On map, locate the MTR.

Step 4 - Where possible, use Mylar Township/Section overlay to determine boundary splits within the Section.

- Section may be coded to multiple Counties
- Section must be coded to only one District/Resource Area/Planning Unit

[2]For procedures to obtain listings, see Output Reports
[3]Supplies to be furnished initially by the DSC Coordinator

Step 5 - Refer to Current Data Element listing for:
- County Codes (DE 0002)
- District/Resource Area/Planning Unit Codes (DE 0003)
- Meridian Code (DE 1703)

Step 6 - Determine the Action and the appropriate Record Type.

Step 7 - Code entry to Form

Step 8 - Code entry to also update the Geo-State Table II Data Element Dictionary

Step 9 - Xerox copies for your file and submit coded forms to DSC Coordinator.

Step 10 - When the Geo-file is updated, and errors are indicated, recheck coding, correct and resubmit.

Step 11 - When update is successful, print Geo-file and recheck changes for correct coding.

The Geo-Ref Table I is updated by coding a specific action for an MTR/Section to a Record Type format.

The Actions are:

-INSERT (ADD)
-DELETE
-REPLACE

Updates are coded to two forms:

Record Types		Form
01 - 04	use	DSC 1260-36 (Feb. 1983)
05 - 06	use	DSC 1260-37 (Feb. 1983)

The Record Types are:

Record Type 01 - Change existing Data for Sections 1-36

DELETE County connector to Section
INSERT County connector to Section
REPLACE District/Resource Area/Planning Unit Connector to Section

Record Type 02 - Change existing data for Section (greater than Sec 36)

DELETE County connector to Section
INSERT County connector to Section
REPLACE District/Resource Area/Planning Unit connector to Section

Record Type 03 - MTR for Section 1-36

INSERT new MTR/Section
INSERT new Section to existing MTR
DELETE an existing MTR/and all connected Sections
DELETE existing Section from MTR

Record Type 04 - MTR for Section (greater than Sec 36)

INSERT new MTR/Section
INSERT new Section to an MTR
DELETE an existing Section from MTR

Record Type 05 - Mass District Change

REPLACE Adm State/District/Resource Area/Planning Unit (transfers all MTR/Section data from existing District Code to new District Code)
INSERT New District Code (Identifies the new Code only; does not connect MTR/ Section data)
DELETE Invalid District Code (Does not delete MTR/Section connection)

Record Type 06 - Mass County Change

INSERT new County Name and Code
(identifies the new Code/Name does not connect MTR/Section data)

REPLACE County Name and Code
(transfers all MTR/Section data from existing County Code to new County Code/Name)

DELETE County Code
(deletes only the code. Does not DELETE MTR/Section data connection)

The following relationships apply:

MTR Includes:
Meridian, Township, Range (must be identified on Record Types 1-4)

MTR/Section Includes:
MTR and identified Sections (must be on Record Types 1-4)

County Includes:
Geographic State and County Code

District Includes:
Adm State, BLM District, Resource Area, Planning Unit

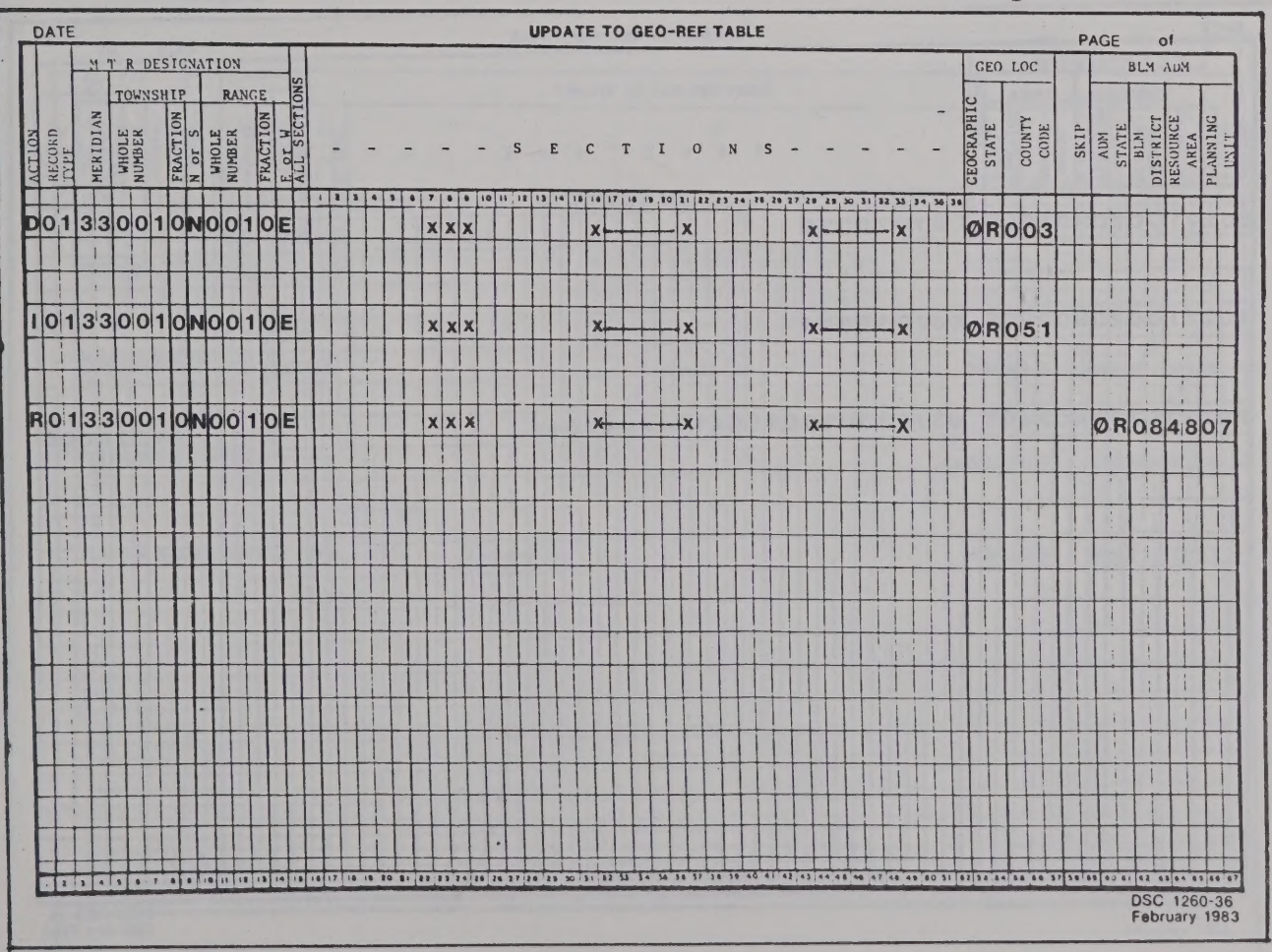
Boundary Split Includes:
Sections located in multiple counties, or within the MTR District/Resource Area/Planning Unit Boundaries. (The individual section must be coded to only one Distr/RA/PU.)

Further explanation and Coding examples for each Record Type begins on page 10.

Use to CHANGE County and District Data for Existing Sections 1-36

Action	Record Type		
D	01	=	DELETE County Code from Section
I	01	=	INSERT County Code to Section Section may be coded to multiple Counties
R	01	=	REPLACE Adm State, BLM District, Resource Area, Planning Unit Codes Code only one to the Section Code Planning Unit "00" when Section is located in other Agency Administrative Boundary

Figure 3



Use to CHANGE County and District data for existing Sections Greater than Sec. 36

Action	Record Type		
D	02	=	DELETE County Code from Section
I	02	=	INSERT County Code to Section
R	02	=	REPLACE Adm State, BLM District, Resource Area, Planning Unit Code

ENTER SECTION NUMBER IN INCREMENTS OF THREE

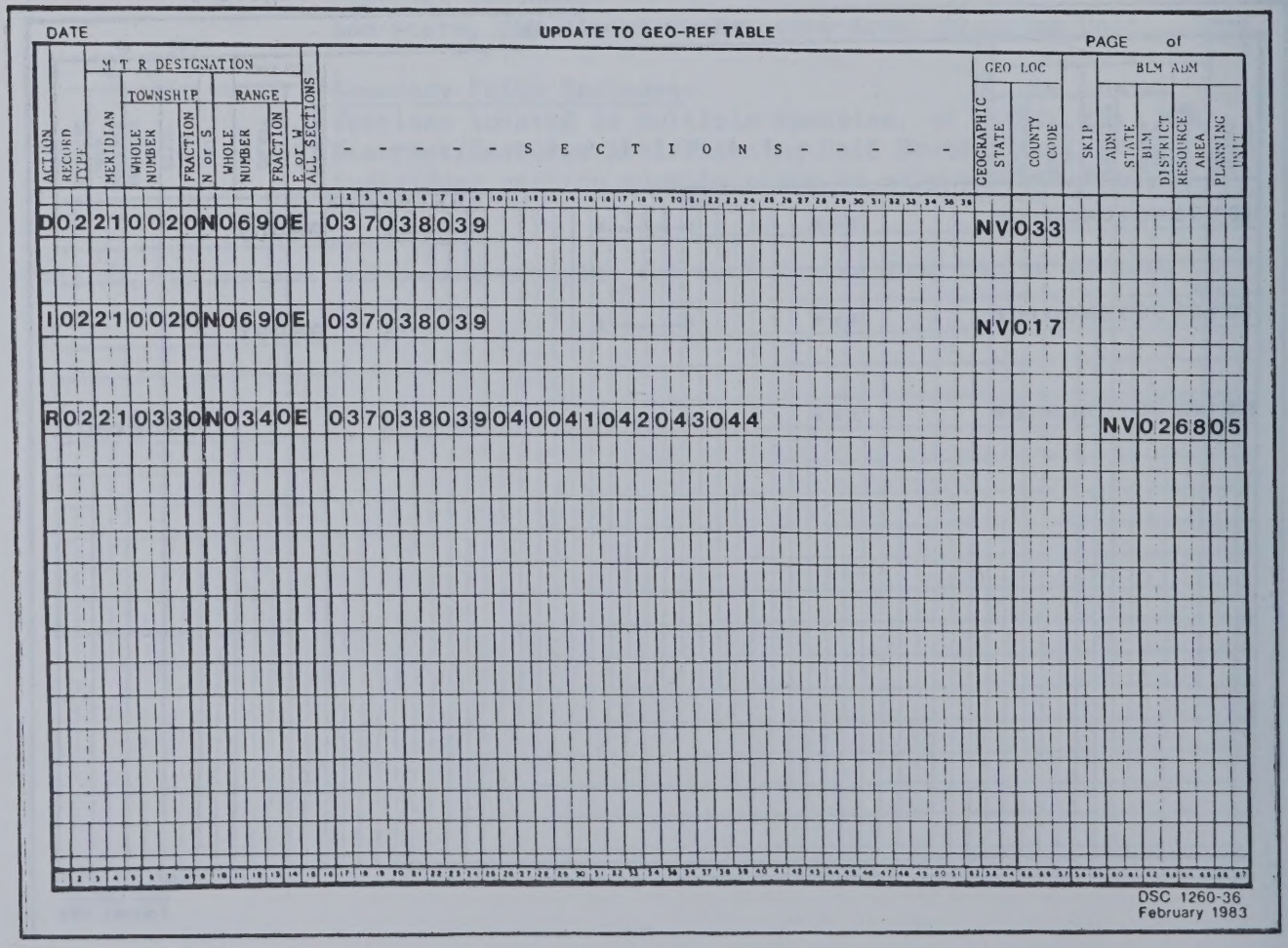
Beginning in the Section 1 Column

Example: Sec 37, 38, 40;

Code as 037038040, etc.

"ALL SECTIONS" COLUMN must be blank

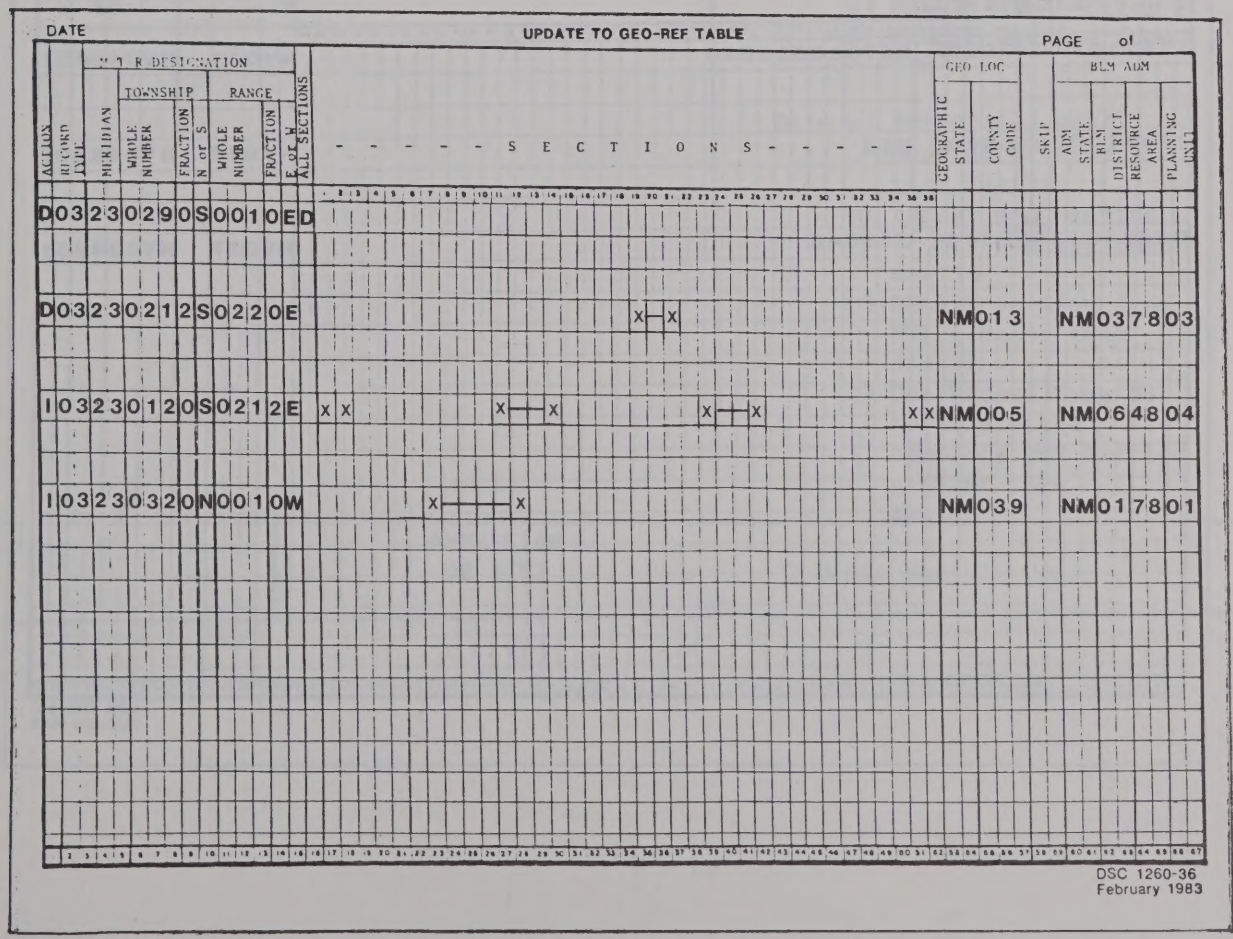
Figure 4



USE TO INSERT or DELETE an MTR/Section for Sections 1-36

Action	Record Type		
D	03	=	DELETE MTR Enter "D" in the "ALL SECTIONS" column. The MTR and all the connected Sections will be DELETED.
D	03	=	DELETE Section Enter "X" in the Section to be deleted, and the specific County and District Codes. Use Record Type "01" to "DELETE" additional County data.
I	03	=	INSERT MTR a) INSERT new MTR and Sections b) INSERT new Section to an Existing MTR Use Record Type "01" to connect additional County Data to the Section.

Figure 5



Use to INSERT MTR/Section or DELETE Section Greater than Sec. 36

Action	Record Type		
I	04	=	INSERT MTR/Section a) INSERT new MTR/Section b) INSERT new Section to existing MTR
D	04	=	DELETE* Section from existing MTR Use Record Type 03 to DELETE an MTR and all connected Sections

*Enter 3 digit Section number. See Example Record Type 02

Figure 6

DATE — UPDATE TO GEO-REF TABLE — PAGE of

ACTION	RECORD TYPE	MTR DESIGNATION: MERIDIAN	TOWNSHIP: WHOLE NUMBER	TOWNSHIP: FRACTION	TOWNSHIP: N. OF S.	RANGE: WHOLE NUMBER	RANGE: FRACTION	RANGE: E. OF W.	ALL SECTIONS	GEO LOC: GEOGRAPHIC STATE	GEO LOC: COUNTY CODE	SKIP	BLM ADM: ADM STATE	BLM ADM: BLM DISTRICT	BLM ADM: RESOURCE AREA	BLM ADM: PLANNING UNIT
I	04	21	017	0	N	059	0	E	03703803904 0	NV	033		NV	04	68	01
I	04	21	002	0	N	069	0	E	040	NV	033		NV	04	68	01
D	04	21	033	0	N	034	0	E	045046	NV	027		NV	02	48	02

DSC 1260-36
February 1983

Criteria for Coding Record Types 1-4 to Form DSC 1260-36

COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
1	*ACTION	I = INSERT D = DELETE R = REPLACE
2 - 3	*RECORD TYPE	01 = CHANGE EXISTING SECTION 1-36 County/District Data 02 = CHANGE Existing Section (Greater than Sec 36) County/ District Data 03 = a) INSERT new MTR/ Section b) INSERT new Section to MTR c) DELETE MTR/Section d) DELETE Section from MTR 04 = a) INSERT new MTR/ Section greater than Sec 36 b) INSERT new Section to MTR greater than Sec 36 c) DELETE Section from MTR greater than Sec 36 d) Use Record Type 03 to Delete the complete MTR Section greater than Sec 36
4 - 5	*MERIDIAN DE 1703	2 Digit Numeric Code

(Continued)

COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
6 - 10	*TOWNSHIP	Cols 6-8 = Whole Number Precede with zeros 9 = Fraction 0 = Blank 1 = 1/4 2 = 1/2 3 = 3/4 10 = Direction N = North S = South Example: 2N = 0020N 23N = 0230N 2 1/2N = 0022N
11 - 15	*RANGE	Cols 11-13 = Whole Number Precede with zeros 14 = Fraction 0 = Blank 1 = 1/4 2 = 1/2 3 = 3/4 A =Duplicate Twp/Range 15 = Direction E = East W = West Example: 5W = 0050W 25W = 0250W 5 1/2W = 0052W [1]Duplicate 5W = 005AW
16	ALL SECTIONS	Enter an "X" if 36 Sections are present and no Boundary Split occurs.

[1]Identifies duplicate Township with identical Meridian, Township and Range. See DE 1699; the explanation lists the duplicate MTR's.

(Continued)

COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
17 - 52	SECTION	Section 1-36 enter an "X" in the appropriate Section Column (Section is identified regardless of Acreage) For Sections Greater than 36 Enter as a 3 digit number in Col 17 and thru Col 52 (See Example Page ___)
53 - 57	GEOGRAPHIC LOCATION (GEO STATE AND COUNTY CODE) DE 0002	Required if: Action = "D" or "I"
58 - 59		Must be left blank
60 - 67	BLM ADMINISTRATION (ADM STATE, BLM DISTRICT, RESOURCE AREA, PLANNING UNIT) DE 0003	Required entry if: Action / Record Type "R" / "01" "R" / "02" "D" or "I" / "03" "D" or "I" / "04"
68 - 84		Must be left Blank

Record 05 District Record (Adm State/BLM/District/Resource Area/ Planning Unit)

Action	Record Type	
I	05	INSERT District Code (Required Entry for New District code, does not connect MTR/Section Data)
D	05	DELETE invalid District (DELETES only the code, does not delete MTR/Section data)
R	05	REPLACE District Code Transfers all connected MTR/Section from an existing Adm/St/Distr/RA/PU code to new Adm St/Distr/RA/PU code. The mass change is done in 3 steps: 1) Use to mass change the majority of MTR/Sections involved when State organizational changes affect Adm St/Distr/RA/PU codes and/or establish new boundaries; 2)Identify and change the individual MTR/Section to the new boundary code; 3) Replace the Geo-State Data Element file with the updated Geo-Ref file. This procedure requires three separate updates.

The detailed How-to-Do-Each-Step follows:

STEP 1 (Mass Change)

Assemble
- Current Table I GeoRef listing
- Old and new boundary maps/overlays
- Existing and new County/District codes (DE 0002 & DE 0003)
- Form DSC 1260 - 37

1. Compare maps and identify type of change
   a) If organizational code changes and/or combines areas (such as Planning Units) and there are no boundary changes, REPLACE the existing codes with the new codes, and bypass Step 2.

   b) If boundaries change, resulting in District/Resource Area/Planning Unit boundary and organizational code changes, use the Replace Mass Code change wherever possible, and code the individual MTR/Section for the new boundaries on Step 2.

   - To REPLACE Mass District/Codes - Use Record Type 05
   - To REPLACE Mass County/Codes - Use Record Type 06

2. Submit code sheets to DSC for Geo-Ref Table I Update.

3. When STEP 1 is complete, proceed to STEP 2.

STEP 2 (Mass Change)

Assemble

- Geo-Ref listing which reflects the mass changes from Update 1.
- New boundary map/overlay
- New County/District codes

1. Using map and Geo-Table I listing, identify and change the individual MTR/Section requiring new boundary codes.

   Use Record Type 01 to:

   - REPLACE District for MTR/Section
   - DELETE existing County
   - INSERT new County for MTR/Section

2. Submit code sheets to DSC for Geo-Ref Table I Update

3. Proceed to STEP 3.

STEP 3 (Mass Change)

The Geo-Ref Table I STEP 1 and/or STEP 2 are/is successful when all MTR/Sections reflect the current boundary changes; the DSC Coordinator should notify Data Base Personnel to replace the existing Geo-State Table II Data Element file affected by the changes with the current updated Geo-Ref Table I file. All files (Table I and II) will then reflect MTR/Section current boundary changes.

Figure 7

GEO-REFERENCE DISTRICT/COUNTY MASS CHANGE

DISTRICT RECORD

ACTION	RECORD TYPE	BLM ADMINISTRATION: ADMINISTRATIVE STATE	OLD: BLM DISTRICT	OLD: RESOURCE AREA	OLD: PLANNING UNIT	NEW: BLM DISTRICT	NEW: RESOURCE AREA	NEW: PLANNING UNIT
I	05	CA				05	98	00
R		CA	03	48	01	02	78	01
D		CA	03	48	01			

COUNTY RECORD

ACTION	RECORD TYPE	GEO LOCATION: GEOGRAPHIC STATE	OLD COUNTY CODE	NEW COUNTY CODE	NEW COUNTY NAME
	06				

Criteria for Coding Record Type 05: MASS ADMIN STATE/DISTR/RA/PU CHANGE

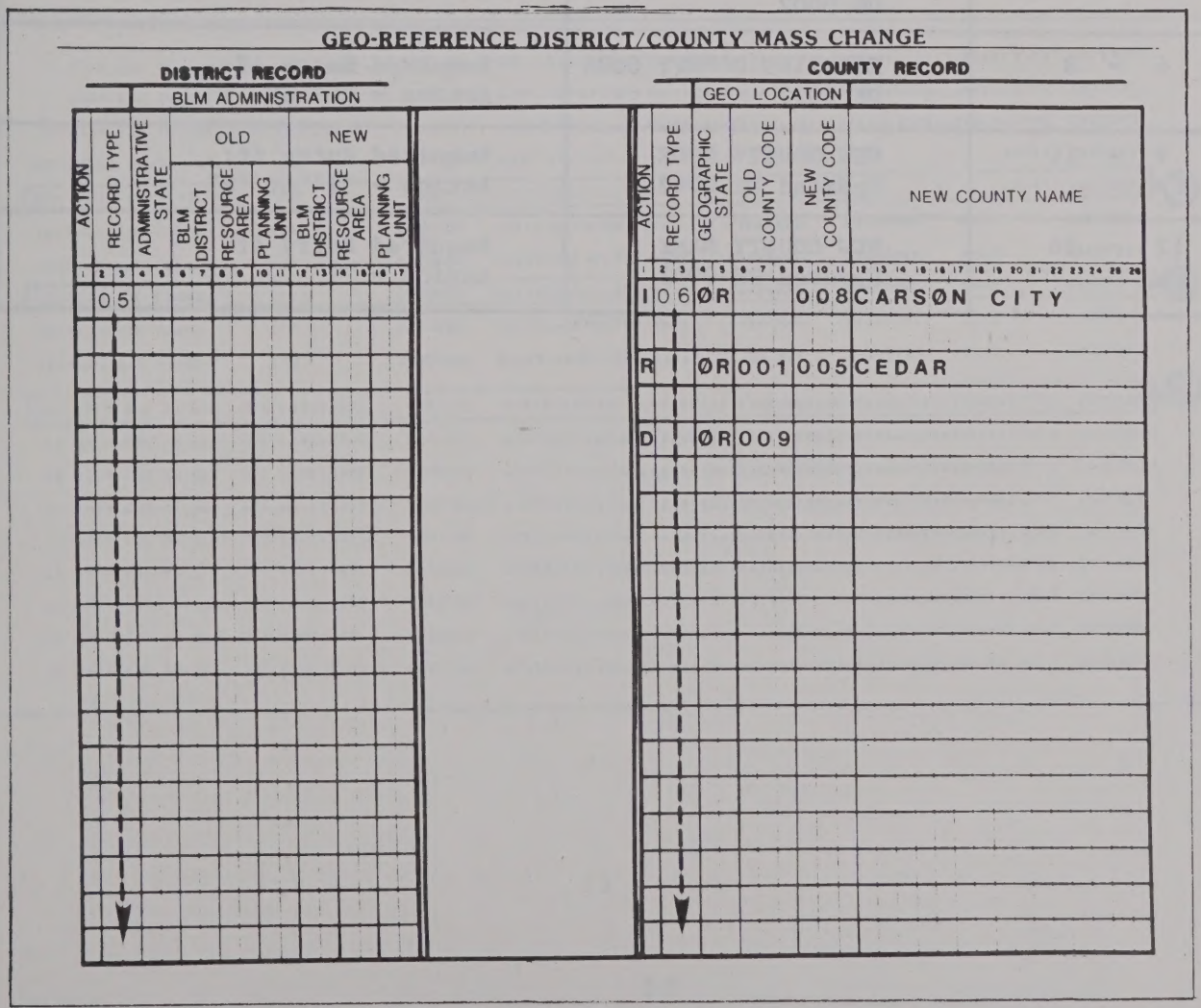
COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
1	*ACTION	R = REPLACE District Data I = INSERT new District code D = DELETE invalid District Code
2 - 3	*RECORD TYPE	Always "05"
4 - 5	*ADMINISTRATIVE STATE DE 0002	2 Digit Alpha State Code
6 - 11	OLD DISTR/RESOURCE AREA/PLANNING UNIT DE 0003	Required entry if: Action = "D" or "R"
12 - 17	NEW DISTR/RESOURCE AREA/ PLANNING UNIT Updated DE 0003	Required entry if: Action = "I" or "R"

Record Type 06 - County Record

Action	Record Type		
I	06	=	INSERT NEW COUNTY NAME AND CODE A required entry to identify new county name and code (Does not connect MTR/Section data)
R	06	=	REPLACE Transfers all connected MTR/Section data from the existing County Code to new County Name and Code.
D	06	=	DELETE COUNTY CODE Deletes only the code. Does not delete MTR/Section Data Connection

For Mass County change procedures see Record Type 05 - STEPS 1-3.

Figure 8



Criteria for Coding Record Type 06
ADD new County Name/Code or Mass County Change

COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
1	*ACTION	D = DELETE County Code I = INSERT new County Code Name (will not connect MTR/Section) R = REPLACE (Transfers MTR/Section Data from existing County Code to new County Code/Name, and Deletes old County Code)
2 - 3	*RECORD TYPE	Always "06"
4 - 5	*GEOGRAPHIC STATE DE 0002	2 Digit Alpha State Code
6 - 8	EXISTING COUNTY CODE DE 0002	Required Entry if: Action = "D" or "I"
9 - 11	NEW COUNTY CODE Updated DE 0002	Required Entry if: Action = "I" or "R"
12 - 26	NEW COUNTY NAME Updated DE 0002	Required Entry if: Action = "I"

Error Message from Geo-Ref Table I Update

When a coded entry does not meet the edit criteria required for updating the file, the entry is displayed on a listing with an error message indicating entry is unacceptable. Re-code correct entry and re-submit.

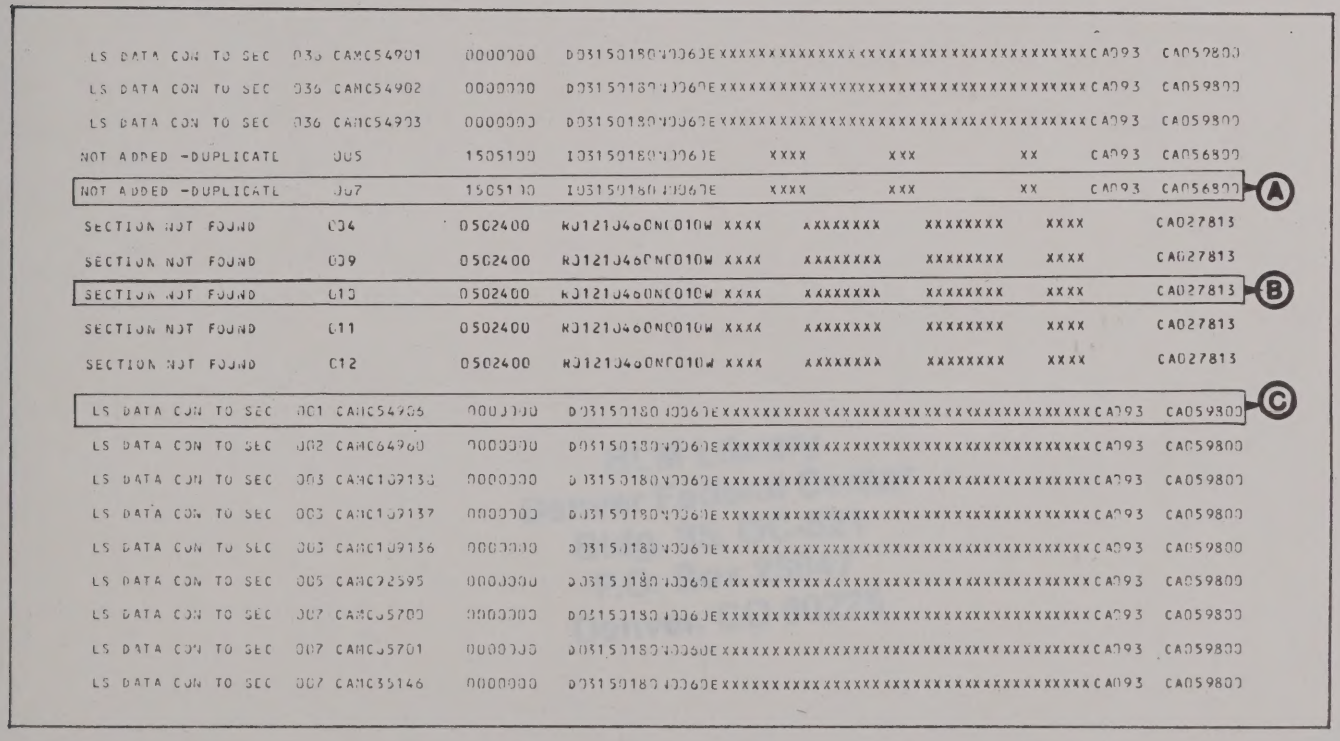
Error Message Indicates:

(A) Entry coded to the incorrect record type for the specific action.

(B) Incorrect MTR or Section, Geo-State, County or District coded.

(C) Data is connected to the Section (Mining Claim Serial Number). This occurs generally when a "D03" type entry is used to change County Codes. Use a "D01" Record Type for this action. A MTR/Section may not be deleted as long as a Serial Number is attached to it.

Figure 9



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P.O. Box 25047
Denver, CO 80225

Table II

Geo-State Data Element Dictionary Update Table II

Presently, an Update is required for the ten western Administrative States, Eastern States, Kansas, Nebraska and Oklahoma.

There are four coding procedures for updating the Geo-State Data Element Table II:

➤ Cadastral Public Land Survey (PLS)
(Meridian, Township and Range)

- Update Individual MTR/Section
- Mass Change MTR's
- Update Agency Administrative Area

➤ Non-Public Land Survey (Non-PLS)
(acquired tracts/lots)

Each Geographic-State is assigned a 4 digit Data Element number, which consists of the Numeric State code and a prefix of "01" to reference the Geo-State Data Element number and also the approximate number of MTR/tracts coded for:

➤ PLS - see Appendix 1
➤ Non PLS - see Appendix 2

The basic update steps are outlined on Page 6 .

Procedure one to update MTR's Geo-State (PLS) Table II.

A Section may be coded to multiple counties; however section must be coded to only one Adm State, BLM District, Resource Area and Planning Unit.

Three types of actions identify change to the Geo-State (PLS) Data Element File:

- ADD
  a) New MTR/Section
  b) Additional lines for MTR/Section Boundary Split

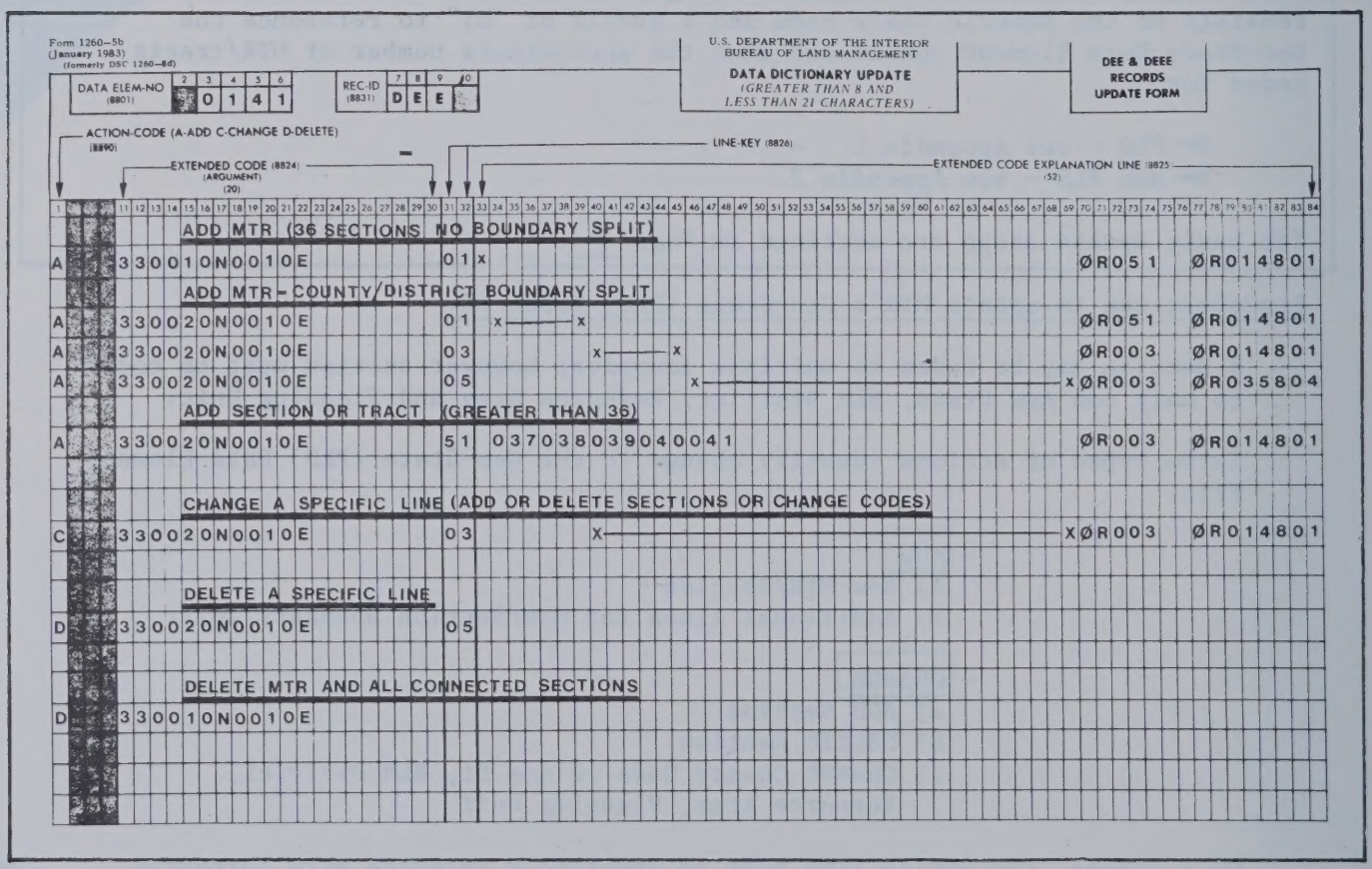
- CHANGE
  a) ADD Section
  b) DELETE Section
  c) CHANGE County Code or Adm St, BLM District, Resource Area, Planning Unit

On a change, the entire line must be completely re-coded with corrected data identifying all sections, Geo-State, County, etc. If an error occurs in Meridian, Township, Range (Columns 11 through 30), the entry must be deleted, then readded correctly.)

Geo-State Data Element Dictionary Update Table II (Continued)

- DELETE
  a) MTR/Section
     (Deletes complete MTR and all connected data, code only through the MTR)
  b) Line-Key
     (Delete a line of data, code only through line key)

Figure 10


Form 1260–5b
(January 1983)
(formerly DSC 1260–8d)
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DATA DICTIONARY UPDATE
(GREATER THAN 8 AND LESS THAN 21 CHARACTERS)
DEE & DEEE RECORDS UPDATE FORM
DATA ELEM-NO (8801) 0141
REC-ID (8831) DEE
ACTION-CODE (A-ADD C-CHANGE D-DELETE) (8890)
EXTENDED CODE (8824) (ARGUMENT) (20)
LINE-KEY (8826)
EXTENDED CODE EXPLANATION LINE (8825) (52)
ADD MTR (36 SECTIONS NO BOUNDARY SPLIT)
A 33001ON0010E 01x ØR051 ØR014801
ADD MTR-COUNTY/DISTRICT BOUNDARY SPLIT
A 33002ON0010E 01 x—x ØR051 ØR014801
A 33002ON0010E 03 x—x ØR003 ØR014801
A 33002ON0010E 05 x—x ØR003 ØR035804
ADD SECTION OR TRACT (GREATER THAN 36)
A 33002ON0010E 51 037038039040041 ØR003 ØR014801
CHANGE A SPECIFIC LINE (ADD OR DELETE SECTIONS OR CHANGE CODES)
C 33002ON0010E 03 x—x ØR003 ØR014801
DELETE A SPECIFIC LINE
D 33002ON0010E 05
DELETE MTR AND ALL CONNECTED SECTIONS
D 33001ON0010E

Criteria for Entry to Form DSC 1260-5b (Jan 1983)
PUBLIC LAND SURVEY STATES (PLS)

COLUMNS	NAME	ENCODE TO FORM
		* = REQUIRED ENTRY
1 - 1	*ACTION	A = ADD C = CHANGE D = DELETE
3 - 6	*DATA ELEMENT NUMBER Appendix 2	Geo-State 4 Digit Number
11 - 12	*MERIDIAN DE 1703	2 Digit Number
13 - 17	*TOWNSHIP DE 1695	Cols 13-15 Whole Number 16 Fraction 0 = Blank 1 = 1/4 2 = 1/2 3 = 1/4 17 Direction N = North S = South Example: 2N = 0020N 23 1/2N = 0232N 113N = 1130N
18 - 22	*RANGE DE 1699	Cols 18-20 Whole Number 21 Fraction 1 = 1/4 2 = 1/2 3 = 3/4 A = Duplicate Township Range 22 Direction E = East W = West Example: 3E = 0030E 9 1/2W = 0092W 39AE = 039AE 116W = 1160W
23-30		Must be blank

(Continued)

COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
31 - 32	* LINE-KEY The number of lines will vary depending upon the number of County or Administrative Boundary Splits that occur within the MTR.	Section 1-36 use: 01 = 1st Line 03 = 2nd Line 05 = 3rd Line 07 = 4th Line etc. Surveyed Tract or Section Greater than 36 use: 51 = 1st Line 53 = 2nd Line 55 = 3rd Line 57 = 4th Line etc.
33	ALL SECTIONS	Enter"X"if 36 Sections are present, and no Boundary Split occurs.
34-69	SECTION	Sections 1-36 Enter an "X" in the appropriate Section Column. Tract/Section Number Greater than 36 Beginning in Column 34, enter as a 3 digit number with no spacing between individual Section/Tracts Example: Sec 37, 38, 40 & 99, 100, 103 are entered in increments of three: 037038040099100103

(Continued)

COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
70-71	*GEOGRAPHIC STATE DE 0002	2 Digit Alpha State Code
72-74	*COUNTY DE 0002	3 Digit Numeric Code
75-76		Must be left Blank
77-78	*ADMINISTRATIVE STATE DE 0100	2 Digit Alpha State Code
79-80	*BLM DISTRICT DE 0003	2 Digit Numeric Code
81-82	*RESOURCE AREA DE 0003	2 Digit Numeric Code (Eastern States Enter "00")
83-84	*PLANNING UNIT DE 0003	2 Digit Numeric code If other Agency Boundary Forest Service, Natl Park, etc. or Eastern States, enter "00".

Procedure Two to Mass Change Geo-State (PLS) Table II

For the ten Western Administrative States (including their Geographic States), use the Mass Change procedures outlined on Page ___.

When Geo-State or BLM District organizational changes occur, resulting in code and/or boundary changes, use the Mass Change procedure to change the majority of the MTR's involved. Then, where necessary, encode the individual MTR/Section to the new boundaries, use Geo-State (PLS) Table II, Procedure One.

County and District code changes must be entered on separate lines. Even though the same MTR's are identified, a separate entry is required.

Data Element 0002 and 0003 must be updated to include the "new County Code" and the "new BLM Administration Codes", or the entry will be rejected.

Within a Geo-State, the County or BLM Administrative Mass Change options are:

"ALL MTR's"
If an "X" is indicated in the "ALL MTR's column, all MTR's with the identified "OLD CODE" will be changed to the "NEW CODE", for County or District.

"BEGINNING MTR"
Will locate and change only one or a beginning MTR within a specified range, with the identified "OLD" and "NEW" County or District Codes. The "ALL MTR's column must be blank.

"ENDING MTR"
Within the range specified by the "Beginning MTR" and Ending MTR", will locate and change the identified "OLD and "NEW" County or District codes. The "Beginning MTR" must be present; the "ALL MTR's" must be blank.

"GEO-LOCATION"
For County changes, the "OLD" and "NEW" Geo-State and County Code must be identified. The "NEW" Geo-State and County must be present on DE 0002. "ALL MTR's" or "Beginning/Ending MTR" must be present. BLM Administration columns must be blank.

"BLM ADMINISTRATION"
For District changes, the "OLD" and "NEW" Admin. State, BLM Dist, Resource Area, Planning Unit, must be identified. The "NEW" Admin. State, etc., must be present on DE 0003. "ALL MTR's" or "Beginning/Ending MTR" must be present. Geo-Location columns must be blank.

NOTE: Always print the Geo-State Data Element file after an update, and recheck MTR's for correct coding.

Figure 11

Form DSC 1260-38
October 1983

GEO-STATE DATA DICTIONARY
COUNTY/DISTRICT MASS CHANGE

Record ID	D	E	G	Geo-State Data Element No.	0	1	4	1
	1	2	3		4	5	6	7

ALL MTRs	MERIDIAN/TOWNSHIP/RANGE																				GEO LOCATION						BLM ADMINISTRATION													
	BEGINNING									ENDING											OLD			NEW			OLD					NEW							
	MER	Township		FRAC	N or S	Range		FRAC	E or W	MER	Township		FRAC	N or S	Range		FRAC	E or W			GEO-ST	COUNTY CODE		GEO-ST	COUNTY CODE		ADM STATE	BLM DIST	RESOURCE AREA	PLANNING UNIT		ADM STATE	BLM DIST	RESOURCE AREA	PLANNING UNIT				
		TWP				RGE					TWP				RGE																									
	3	3	0	0	4	0	S	0	0	3	0	W	3	3	0	0	4	0	S	0	0	7	0	W	Ø	R	0	5	3	Ø	R	0	7	1								
	3	3	0	1	4	0	S	0	0	1	0	E	3	3	0	1	4	0	S	0	1	0	0	E											Ø	R	0	8	6	8	0	0	Ø	R	0	8	6	8	0	1
X																									Ø	R	0	2	8	Ø	R	0	2	9								

Criteria for Coding Geo-State County/District Mass Change

Forms DSC 1260-38 (October, 1983)

Columns	Name	Encode to Form * = Required Entry
1-3	Record Identification	"DEG" Precoded to form
4-7	*Geo-State Data Element Number	"01" precoded Enter 2 digit numeric state code
8	ALL MTR's	Enter "X" if ALL MTR's is blank, a beginning MTR must be identified.
9-20	Beginning Meridian/ Township/Range	If "ALL MTR's" is blank, a beginning MTR must be identified.
21-32	Ending Meridian/Township/Range	"ALL MTR's" must be blank. A beginning MTR must be identified.
33-42	Geo-Location	Cols 33-36 Old Geo-State and County code. Cols 38-42 New Geo-State and County Code. For "ALL" or the "specified MTR's", will replace the old code with the new code. BLM Administration (Cols 43-58) must be blank.

Criteria for Coding Geo-State County/District Mass Change (Continued)

Forms DSC 1260-38 (October, 1983)

Columns	Name	Encode to Form * = Required Entry
43-58	BLM Administration DE 0003	Cols 43-50 Old Adm-State, BLM District, Resource Area, Planning Unit. Cols 51-58 new Adm-State, BLM District, Resource Area, Planning Unit. For "ALL" or the "specified MTR's" will replace the old code with the new code. (Cols 33-42) must be blank.

Procedure Three to Update Agency Administrative Area

DSC is presently coordinating the encoding of the Agency Administrative Area to the Geo-State Data Element file. The time frame for all states has not been established. Contact the DSC Coordinator for your States status.

The Agency Administrative Area is a separate line entry for the MTR. An MTR/Section with County and District data must be present on the Geo-State Data Element file. Initially, all land is assumed "BLM"*, so generally only other Agency Admin. Area are encoded to the MTR/Section. A section may be encoded to multiple agencies.

* A Section is coded to "BLM" only when a boundary split is identified between "BLM" and another agency.

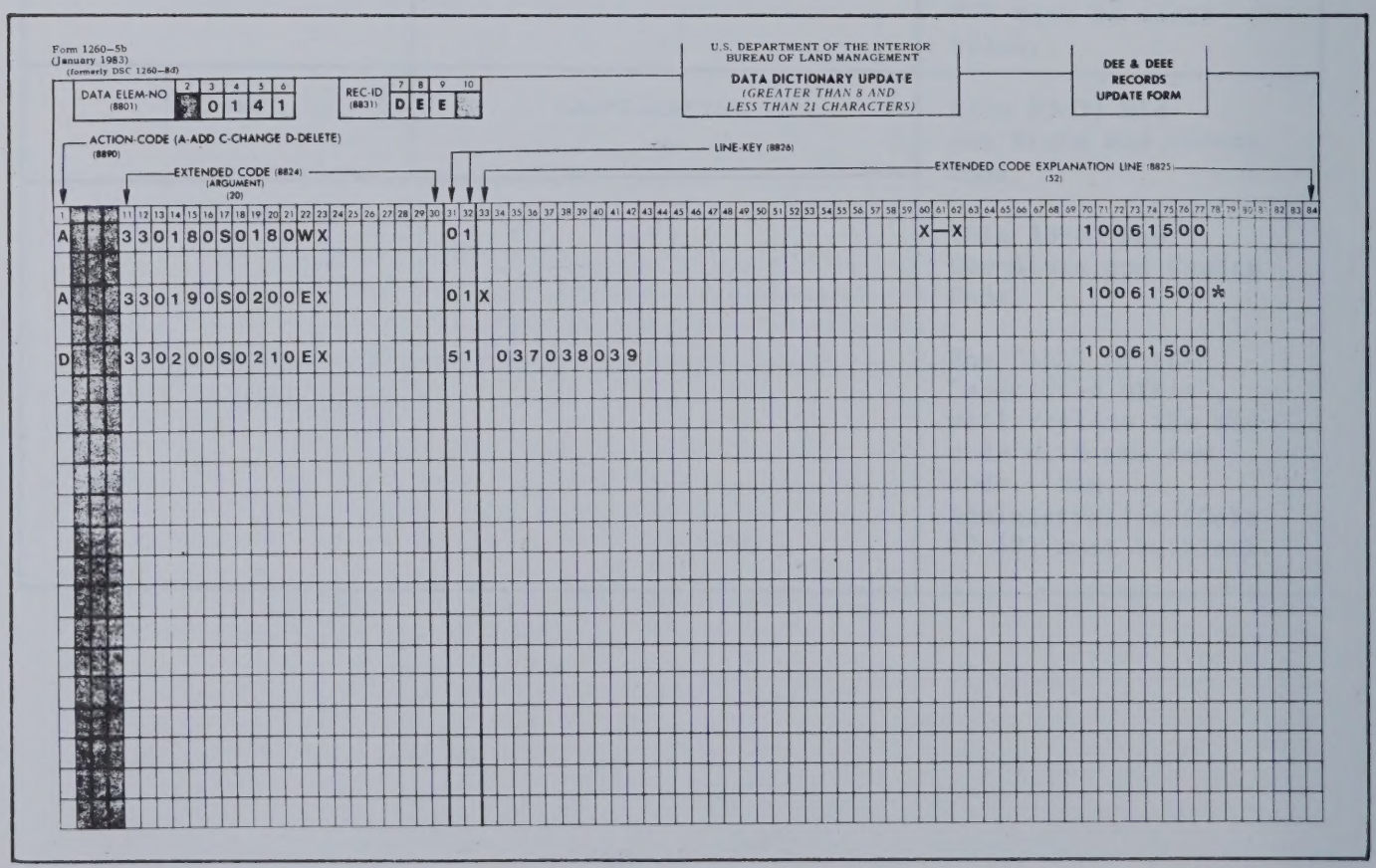
Follow procedure to update MTR Geo-State (PLS) Table II, with the exception of:

Column 23 = Agency Admin. Indicator
Enter an "X"

Columns 70-77 = Agency Admin. Code DE 2929
Left justified, leave unused positions blank.

Column 78 = Wilderness Area
Enter an "*", if Section is designated Wilderness Area

Figure 12


Form 1260-5b
(January 1983)
(formerly DSC 1260-8d)
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DATA DICTIONARY UPDATE
(GREATER THAN 8 AND LESS THAN 21 CHARACTERS)
DEE & DEEE RECORDS UPDATE FORM
DATA ELEM-NO (8801) 0141
REC-ID (8831) DEE
ACTION-CODE (A-ADD C-CHANGE D-DELETE) (8890)
EXTENDED CODE (8824) (ARGUMENT) (20)
LINE-KEY (8826)
EXTENDED CODE EXPLANATION LINE (8825) (52)
A 330180S0180WX 01 X—X 10061500
A 330190S0200EX 01X 10061500*
D 330200S0210EX 51 03703803 9 10061500

Criteria for Coding AGENCY ADMINISTRATIVE AREA To PLS STATES

Form DSC/260-5b (Jan 1983)

Section may be coded to multiple Agency Administrative Areas

COLUMNS	NAME	ENCODE TO FORM * = REQUIRED ENTRY
1-1	*ACTION	A = INSERT MTR/Section D = DELETE MTR/Section
3-6	*DATA ELEMENT NUMBER Appendix 11	Geo-State 4 digit number
11-12	*MERIDIAN DE 1703	2 Digit Number
13-17	*TOWNSHIP DE 1695	Cols 13-15 Whole Number 16 Fraction 0 = Blank 1 = 1/4 2 = 1/2 3 = 3/4 17 Direction N = North S = South Example: 2N = 0020N 23 1/2N = 0232N 113N = 1130N
18-22	*RANGE DE 1699	Cols 18-20 Whole Number 21 Fraction 0 = Blank 1 = 1/4 2 = 1/2 3 = 3/4 A = Duplicate Township Range Example: 3E = 0030E 18 1/2 = 0182W 39AE = 039AE 116W = 1160W 22 Direction E = East W = West

Continued

23-23	*AGENCY ADM INDICATOR	Enter "X"
24-30		Must be left blank
31-32	*LINE-KEY Number of lines will vary depending upon the Section/Agency Boundaries that occur within the MTR	Sections 1-36 use: 01 = 1st Line 03 = 2nd Line 05 = 3rd Line 07 = 4th Line etc. Surveyed Tracts or Section Greater than 36 use: 51 = 1st Line 53 = 2nd Line 55 = 3rd Line 57 = 4th Line etc.
33	ALL SECTIONS	Enter "X" if 36 Sections are present and no Boundary Split occurs
34-69	SECTIONS	Sections 1-36 Enter an "X" in the appropriate Section column Tract/Section Number greater than 36 Beginning in Column 34, enter a 3 digit number, with no spacing between individual Section/Tracts Example: Sec 37, 38, 40 and Tracts 99, 100, 103 enter in increments of three 03703804099100103
70-77	*AGENCY ADMINISTRATIVE AREA DE 2929	Enter Numeric/Alpha Code
78-84		Must be left Blank

Procedure Four to update Geo-State (Non-PLS) Table II.

For Non-Cadastral Survey identification of tracts. Generally, tract/lots acquired by agencies within projects, i.e., military installations, National Forests.

Tracts/lots are presently coded for the Eastern States listed on Appendix 2.

Code each tract/lot to a separate line. In addition to the Geo-State Data Element number, the following is required:

° ACTION A = ADD new tract/lot
D = DELETE tract/lot

° GEOGRAPHIC ALPHA STATE CODE (DE 0002)

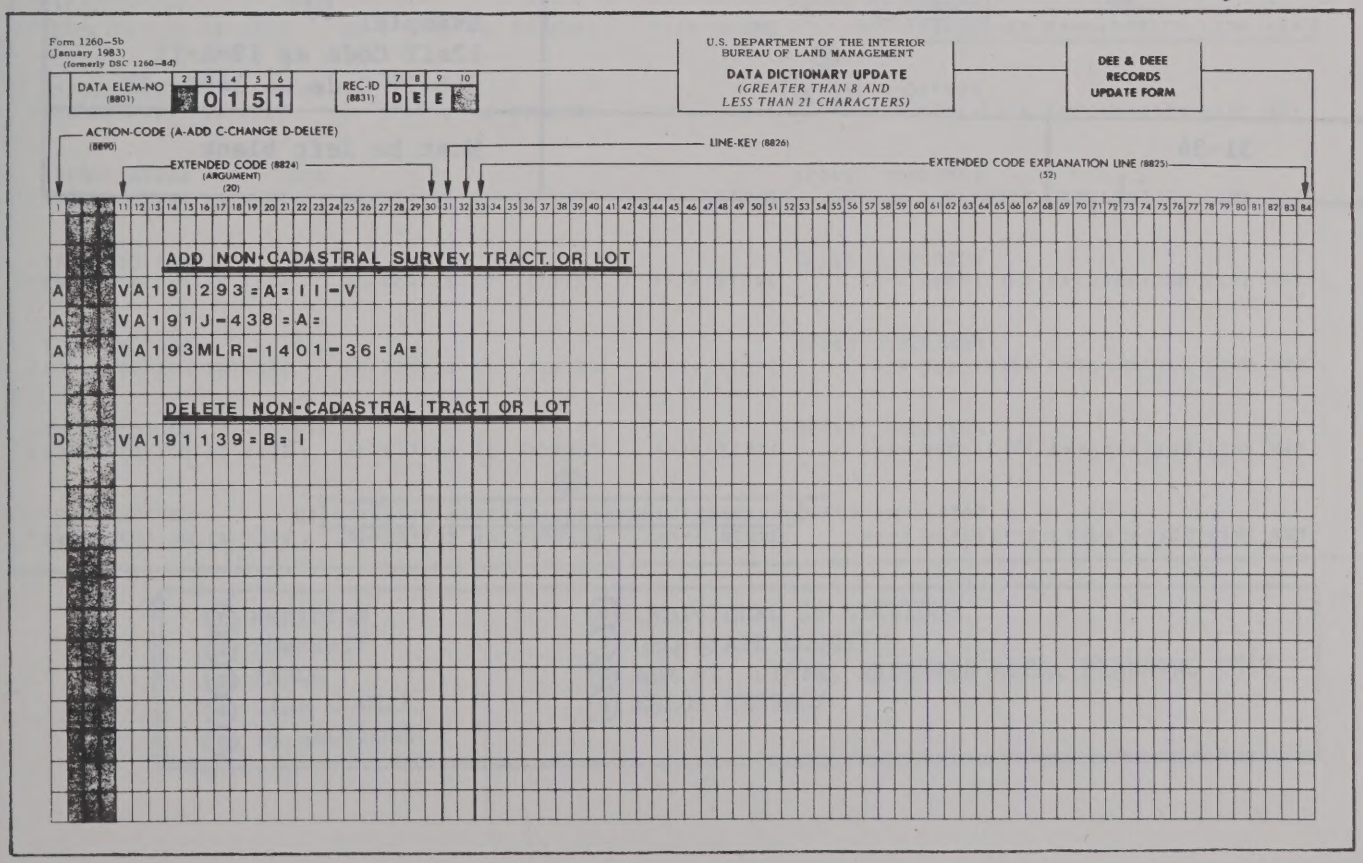
° COUNTY CODE (DE 0002)

° TRACT/LOT NUMBER - Within the tract/lot number, denote the lower case letter with an equal symbol before and after the letter.

Example:

Tract 293aII-V Code as: 293=A=II-V

Figure 13



Criteria for Coding NON-PUBLIC LAND SURVEY STATES

(Non-PLS) to DSC-1260-5b (Jan 1983)

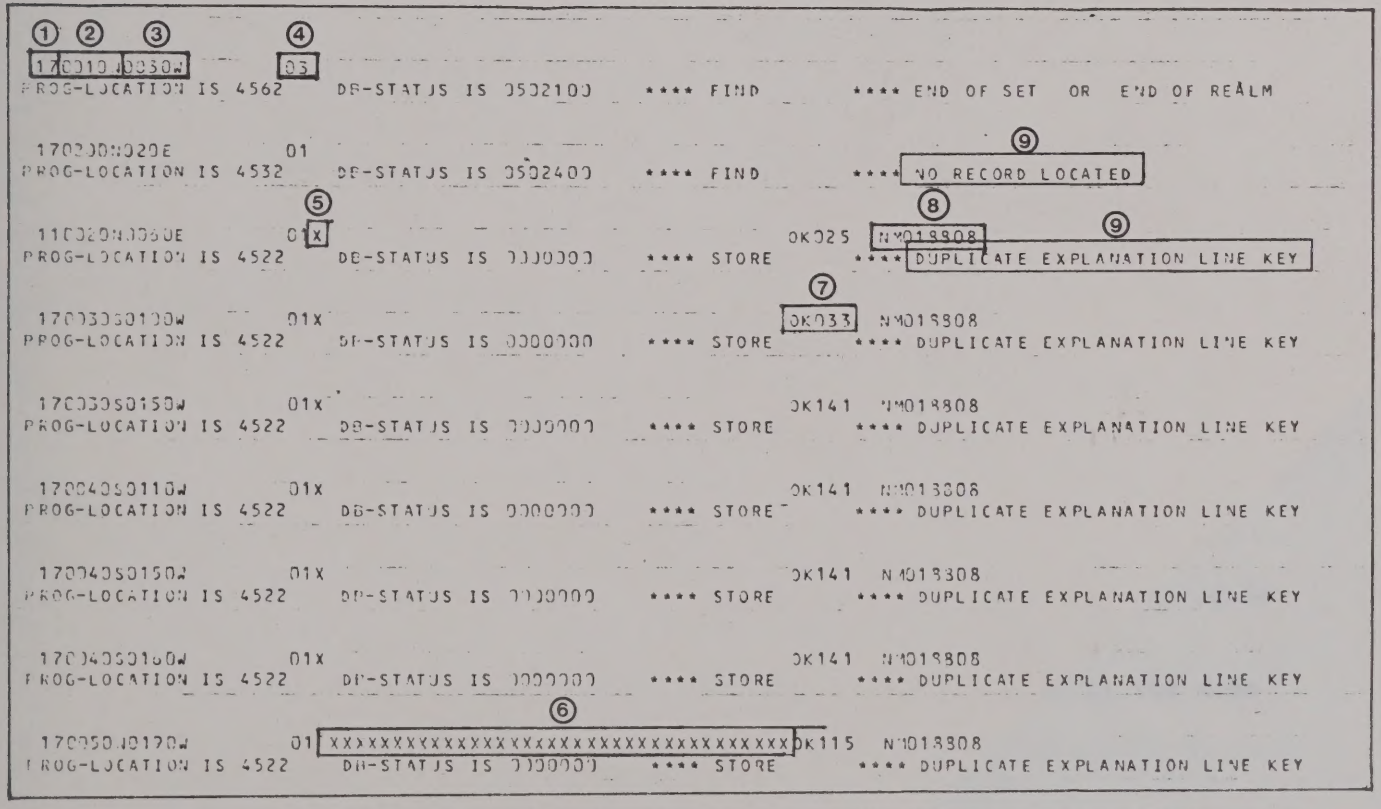
COLUMNS	NAME	ENCODE TO FORM *REQUIRED ENTRY
1-1	*ACTION	A = ADD NEW TRACT D = DELETE TRACT
3-6	*DATA ELEMENT NUMBER Appendix 2	GEO-STATE 4 DIGIT NUMBER
11-12	*GEOGRAPHIC STATE DE 0002	2 DIGIT ALPHA STATE CODE
13-15	*COUNTY DE 0002	3 DIGIT NUMERIC CODE
16-30	*TRACT/LOT NUMBER	Code each tract on a separate line. Small case letters are enclosed between the equal symbol Example: 12aII Code as 12=A=II 34b-IV Code as 34=B=-IV
31-84		Must be left blank

Error Message from Geo-State Table II Data Element Dictionary Update

When a coded entry does not meet the edit criteria required to update the file, the entry is displayed on a listing with an Error Message indicating entry is unacceptable.

Error Message	Error
Duplicate Explanation line key	Entry already exists for the MTR/ Section and line No. identified. Recheck coding.
No Record Located	Did not find the MTR/Section identified. For example, the Range was coded incorrectly. Recheck the coding and Geo-State listing. Correct and re-submit.

Figure 14


① ② ③ ④
PROG-LOCATION IS 4562 DB-STATUS IS 0502100 **** FIND **** END OF SET OR END OF REALM
PROG-LOCATION IS 4532 DB-STATUS IS 0502400 **** FIND
⑨
**** NO RECORD LOCATED
⑤
⑧
⑨
PROG-LOCATION IS 4522 DB-STATUS IS 0000000 **** STORE OK025 NM018808
**** DUPLICATE EXPLANATION LINE KEY
⑦
PROG-LOCATION IS 4522 DB-STATUS IS 0000000 **** STORE OK033 NM018808
**** DUPLICATE EXPLANATION LINE KEY
PROG-LOCATION IS 4522 DB-STATUS IS 0000000 **** STORE OK141 NM018808
**** DUPLICATE EXPLANATION LINE KEY
PROG-LOCATION IS 4522 DB-STATUS IS 0000000 **** STORE OK141 NM018808
**** DUPLICATE EXPLANATION LINE KEY
PROG-LOCATION IS 4522 DB-STATUS IS 0000000 **** STORE OK141 NM018808
**** DUPLICATE EXPLANATION LINE KEY
PROG-LOCATION IS 4522 DB-STATUS IS 0000000 **** STORE OK141 NM018808
**** DUPLICATE EXPLANATION LINE KEY
⑥
PROG-LOCATION IS 4522 DB-STATUS IS 0000000 **** STORE OK115 NM018808
**** DUPLICATE EXPLANATION LINE KEY

① MERIDIAN	⑥ INDIVIDUAL 36 SECTIONS
② TOWNSHIP	⑦ GEO-STATE COUNTY
③ RANGE	⑧ ADM ST, DISTR, RESOURCE AREA, PLANNING UNIT
④ LINE NUMBER	⑨ ERROR MESSAGE
⑤ 36 SECTIONS	

Output Reports

OUTPUT REPORTS

Output Reports may be generated from any Users Master Catalog (UMC). If UMC is not known, contact your State ADP Coordinator for a User ID, Charge code, Passwords, and a two Character Station Code. All Reports are to be directed to print on the State Office Level 6 Printer.

Terminal Log On/Off procedures

Log on to Time Sharing (TSS) on any terminal that can communicate with the DSC Honeywell 66-80 computer. If necessary, consult your ADP Coordinator for asssistance.

Once Log On is successful, the computer responds "BLM Computer Center" with date, time and a channel number.

Terminal	User Enters (CR) = Depress the Return or CR key
"USER ID"	Your assigned User ID (CR)
"PASSWORD"	Your assigned password (CR)
"CHARGE CODE"	Your assigned Charge Code (CR)
"CHARGE PASSWORD"	Your assigned Charge Code Password (CR)

Or:
In response to USER ID, the above may be entered in one line as follows:
UMC$Password;ChargeCode/ChargePassword (CR)

"NOOZ"	This is system information. No response is required.
"*" appears	You are now at the system level and may request reports.

OTHER TIPS:

To correct a character, depress the symbol "@" for each character entered in error, then re-type from that point. Backspacing is not required.

To delete a line, depress the control key (CTL) and the "X" key at the same time, then begin the line again.

To terminate the session, depress the "Break" key.

GEO-REF TABLE I LISTING

The Geo-Ref listing is in Sequence by Meridian, Range, Township, and is available for the ten western Administrative States by:

a) Administrative State (includes all geographic areas administrated by the State).
b) Geographic State

Terminal	User Enters (CR) = Depress Return or (CR) key
"*" appears	CRUN GEOREF/GEORPT,R (CR)
PLEASE ENTER YOUR CHARGE CODE ==>	Example: ABCD (CR)
PLEASE ENTER YOUR CHARGE CODE PASSWORD ==>	Example: HOME (CR)
ADM OR GEO REPORT?	Example: GEO (CR)
ENTER 301 for ADMIN REPORT or 307 for GEO REPORT?	Example: 307 (CR)
ENTER 2 CHARACTER ADM OR GEO STATE?	Example: CO (CR)
ENTER LEVEL 6 TWO CHAR STATION CODE OR ORG FOR H6680 PRINTER?	Example: DP (CR) (For Colorado printer)
ENTER UP TO 9 CHAR FOR OUTPUT BANNER (ORGANIZATION-NAME)?	Example: 943,ANN (CR) Purpose: To route the printed report to the individual who requested it

*JRN
SNUMB 6467T

SNUMB (System Number) The computer assigns a SNUMB to each report. Record the number and notify your ADP Personnel of the SNUMB number.

DATA ELEMENT DICTIONARY

Use for Geo-State Table II Data Element listing, also for County, District, and Meridian Codes, etc.

This report produces specific Data Elements requested from the Data Element Dictionary. It is recommended you keep current listings.

For Data Element numbers see:
Appendix 1 & 2 - Geo-State Data Element Numbers
Appendix 3 - County, District, Meridian, etc., Data Element Numbers

Terminal	User Enters (CR) = Depress return or (CR) key
"*" Appears	CRUN DBT/DICRPT,R (CR)
ROUTINE ALLOWS FOR MAXIMUM OF 14 DATA ELEMENTS ENTERED ONE PER RESPONSE ROUTINE ALLOWS FOR MAXIMUM OF 8 APPLICATION NUMBERS ENTERED ONE PER RESPONSE FOR A REPORT OF SELECTED DATA ELEMENTS, ENTER DENO FOR A REPORT OF SELECTED APPLICATIONS, ENTER APNO ENTER DENO OR APNO	Example: DENO (CR)
ENTER DATA NUMBER OR 'CR' TO END ?	Example: 0108 (CR) (Colorado Geo-State Data Element number)
ENTER DATA ELEMENT NUMBER OR (CR) TO END	Continue entering a Data Element Number Example: 0002 (CR) (For county codes)..OR Depress Return or (CR) key
ENTER NUMBER OF COPIES YOU WISH '1 or 2 or 3' ?	
ENTER LEVEL 6 TWO CHARACTER STATION CODE OR 'CR' FOR H6680 PRINTER ?	Example: CP (CR) (Code for Colorado level 6 printer)
ENTER YOUR ORGANIZATION CODE AND YOUR NAME FOR YOUR OUTPUT ?	Example: 943,ANN (CR) (Purpose is to route the printed report to the individual who requested it)

YOUR SNUMB = 9999T

Glossary/Appendices

Glossary

Meridian	A reference in addition to Township and Range to uniquely identify a township in the public Land Rectangular Survey system (PLS)
Township	Descriptive identification under the rectangular survey system of land in approximate 6-mile increment North or South, commencing with number 1 at a baseline. This element must be used with the identifying range element to be a complete description; when so combined, will describe an area of approximately 36 square miles. (A Unit of land survey, generally 6 miles square containing 36-mile square sections.) Example: Township 28N
Range	Descriptive identification under the rectangular survey system of land in approximate 6-mile increment East or West, commencing with number 1 at the Principal Meridian. This element must be used with the Township element to be a complete description; and when so combined, this will describe an area of approximately 36 square miles. Example: Range 10W
Section	Major subdivision of a Township, normally a quadrangle approximately 1 mile square, identified by a number ranging from 1 to 36.
County	The largest territorial division in a state for political, administrative and geographical purposes (includes borough or parish).
District	An administrative area of BLM.
Data Base	A master file containing related data which is stored within the computer.
Generated	Data which is stored on the computer, and is manipulated by a series of commands, to produce a output listing.
Validate	According to established criteria, verifying for correctness.
Retrieve	A query for computer stored information; the queried data is displayed.

SNUMB	System number assigned to each job by the computer.
Load	Add data to a computer file.
TSS	Time Sharing System. A subsystem on the computer that permits users to access, create, print and maintain files.
User	Individual that uses computer resources. If you enter, retrieve, print information from any terminal, you are a User.
UMC	User Master Catalog. A master listing identifying all users by a special code assigned to each.
Password	The security code assigned to the user which ensures that the computer will only be accessed by authorized individuals.
Print	Print files as specified by the user.
Replace	Alters certain lines or string of data in an existing file.

PUBLIC LAND SURVEY STATES

GEOGRAPHIC STATE	STATE CODE	DATA ELEMENT NO.	APPROX # of MTR's CODED
ALABAMA	AL	0101	997
ARIZONA	AZ	0104	3,492
ARKANSAS	AR	0105	1,516
CALIFORNIA	CA	0106	4,880
COLORADO	CO	0108	3,055
FLORIDA	FL	0112	340
IOWA	IA	0119	10
IDAHO	ID	0116	2,496
ILLINOIS	IL	0117	99
INDIANA	IN	0118	93
KANSAS	KS	0120	509
LOUISIANA	LA	0122	720
MICHIGAN	MI	0126	1,875
MINNESOTA	MN	0127	655
MISSISSIPPI	MS	0128	1,452
MISSOURI	MO	0129	137
MONTANA	MT	0130	4,191
NEBRASKA	NE	0131	2,242
NEVADA	NV	0132	3,347
NEW MEXICO	NM	0135	3,523
NORTH DAKOTA	ND	0138	2,052
OHIO	OH	0139	382
OKLAHOMA	OK	0140	2,046
OREGON	OR	0141	3,500
SOUTH DAKOTA	SD	0146	2,210
UTAH	UT	0149	2,564
WASHINGTON	WA	0153	3,300
WISCONSIN	WI	0155	102
WYOMING	WY	0156	2,889

NON-PUBLIC LAND SURVEY STATES

STATE	STATE CODE	DATA ELEMENT NO.	APPROX # OF TRACTS CODED
CONNECTICUT	CT	0109	-----
DELAWARE	DE	0110	21
GEORGIA	GA	0113	3,561
KENTUCKY	KY	0121	9,631
MAINE	ME	0123	4
MARYLAND	MD	0124	181
MASSACHUSETTS	MA	0125	-----
NEW HAMPSHIRE	NH	0133	175
NEW JERSEY	NJ	0134	90
NEW YORK	NY	0136	1,082
NORTH CAROLINA	NC	0137	4,689
PENNSYLVANIA	PA	0142	5,574
RHODE ISLAND	RI	0144	-----
SOUTH CAROLINA	SC	0145	686
TENNESSEE	TN	0147	17,828
TEXAS	TX	0148	-----
VERMONT	VT	0150	1,483
VIRGINIA	VA	0151	5,587
WEST VIRGINIA	WV	0154	2,704

LIST OF SPECIFIC DATA ELEMENT(S) AND NUMBER

NAME	DATA ELEMENT NUMBER
MERIDIAN	1703
TOWNSHIP	1695
RANGE	1699
SECTION	2506
ADMINISTRATIVE STATE	0100
COUNTY/GEOGRAPHIC STATE	0002
BLM DISTRICT/ RESOURCE AREA/ PLANNING UNIT	0003
AGENCY ADMINISTRATION AREA	2929

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